

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3022	(514/178,179,181,182).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 15:34
L2	1570	l1 and @ad<"20010625"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 15:34
L3	723	l2 and (estrogen or estradiol)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 15:52
L4	48	l3 and ("11" or C11).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 15:36
L5	45	l4 and @ad<"19991118"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 15:36
L6	326	((estrogen or estradiol) and ("11" or c11)).ab.	FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/28 15:52
L7	151	l6 and @ad<"19991118"	FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/28 15:56
L8	82	l7 and (subst\$ or deriv\$).ab.	FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/28 15:57
L9	2	l8 and (c11 or l1\$2beta or l1\$2b).ab.	FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/28 15:58
L10	15	l8 and (c11 or l1\$2beta or l1\$2b or ("11" adj (b or beta))).ab.	FPRS; EPO; JPO; DERWENT	OR	ON	2006/08/28 15:59

*Amel*

=> d his

(FILE 'HOME' ENTERED AT 14:26:45 ON 28 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:26:53 ON 28 AUG 2006

L1 STRUCTURE UPLOADED  
L2 0 S L1 SAM  
L3 133 S L1 FULL

FILE 'CAPLUS' ENTERED AT 14:27:39 ON 28 AUG 2006

L4 17 S L3  
L5 5 S L4 AND AD<19991118 AND PATENT/DT  
L6 3 S L4 AND PY<=1999 AND NONPATENT/DT  
L7 8 S L5 OR L6

FILE 'MEDLINE, EMBASE' ENTERED AT 14:28:29 ON 28 AUG 2006

L8 0 S L3

FILE 'CAPLUS, MEDLINE, EMBASE' ENTERED AT 14:28:40 ON 28 AUG 2006

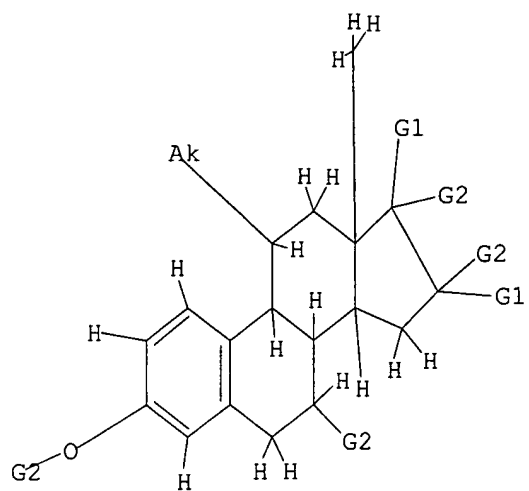
L9 188 S ((LOOZEN, H?) OR (LOOZEN H?) OR (SCHOONEN, W?) OR (SCHOONEN W  
L10 62 S L9 AND (ESTROGEN OR ESTRADIOL)  
L11 35 DUP REM L10 (27 DUPLICATES REMOVED)

L3 133 SEA SSS FUL L1

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 H, OH

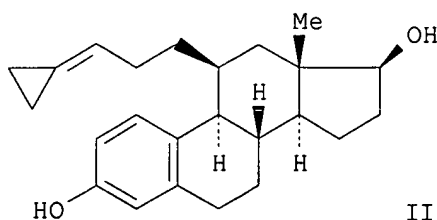
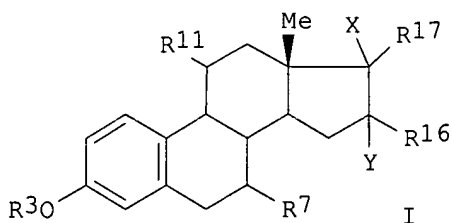
G2 C, H

Structure attributes must be viewed using STN Express query preparation.

d 14 1 ibib abs kwic

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:368399 CAPLUS  
DOCUMENT NUMBER: 133:4848  
TITLE: Preparation of estrogenic estra-1,3,5(10)-trienes with differential effects on the  $\alpha$  and  $\beta$  estrogen receptors, having a linear hydrocarbon chain of from 5-9 carbon atoms in position 11  
INVENTOR(S): Loozen, Hubert Jan Jozef; Schoonen, Wilhelmus Gerardus Eduardus Joseph  
PATENT ASSIGNEE(S): Akzo Nobel N.V., Neth.  
SOURCE: PCT Int. Appl., 24 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031112	A1	20000602	WO 1999-EP9053	19991118
W:				
AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1131336	A1	20010912	EP 1999-963327	19991118
EP 1131336	B1	20020828		
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 222922	E	20020915	AT 1999-963327	19991118
PRIORITY APPLN. INFO.:			EP 1998-203914	A 19981120
			WO 1999-EP9053	W 19991118
OTHER SOURCE(S):	MARPAT 133:4848			
GI				



AB Novel  $11\beta$ -substituted estradiols of formula I [ $R_3 = H$ , acyl, aroyl;  $R_7, R_{16}, R_{17} = H$ , alkyl, cycloalkyl, alkenyl, alkynyl, aryl;  $R_{11} =$  linear or branched hydrocarbon chain;  $X, Y = H, OH$ ] are prepared. The resulting compds. have a desirable mixed agonist/antagonist profile for estrogen receptor  $\alpha$  and estrogen receptor  $\beta$ . Thus, II was prepared and was an agonist for  $ER\alpha$  and an antagonist for  $ER\beta$ .

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50681-33-9P 55592-30-8P 191486-99-4P 271259-95-1P 271259-96-2P  
271260-03-8P 271260-06-1P 271260-07-2P 271260-08-3P  
271260-09-4P 271260-10-7P 271260-11-8P 271260-12-9P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

=> d his

(FILE 'HOME' ENTERED AT 14:03:52 ON 28 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:04:00 ON 28 AUG 2006

L1 STRUCTURE UPLOADED

L2 0 S L1 SAM

L3 1 S L1 FULL

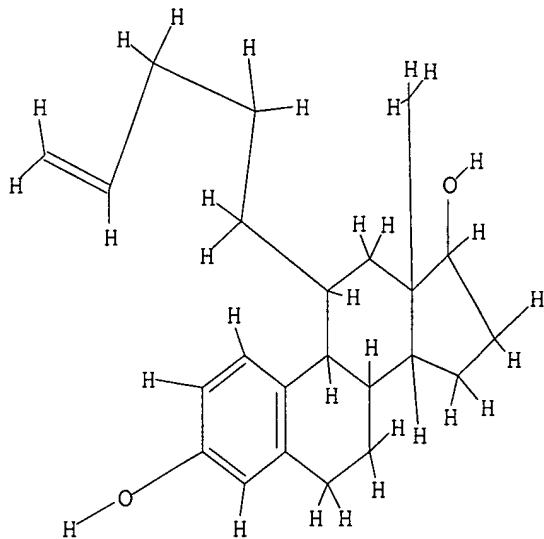
FILE 'CAPLUS, MEDLINE, EMBASE' ENTERED AT 14:04:56 ON 28 AUG 2006

L4 1 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>  
Uploading C:\Program Files\Stnexp\Queries\09831954str5.str

L1           STRUCTURE UPLOADED

=> s l1 sam  
SAMPLE SEARCH INITIATED 14:08:51 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED -           10 TO ITERATE

100.0% PROCESSED           10 ITERATIONS                           0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*  
                          BATCH    \*\*COMPLETE\*\*  
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PROJECTED ANSWERS:               0 TO        0

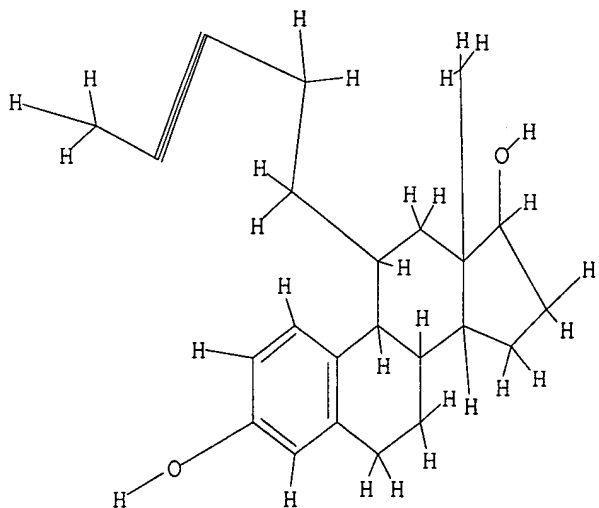
L2            0 SEA SSS SAM L1

=> s l1 full  
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100.0% PROCESSED           205 ITERATIONS                       1 ANSWERS  
SEARCH TIME: 00.00.01

L3            1 SEA SSS FUL L1

=> d l1  
L1 HAS NO ANSWERS  
L1            STR



Structure attributes must be viewed using STN Express query preparation.

=> file caplus medline embase; s l3

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 14:09:14 ON 28 AUG 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE 'MEDLINE' ENTERED AT 14:09:14 ON 28 AUG 2006

FILE 'EMBASE' ENTERED AT 14:09:14 ON 28 AUG 2006  
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L4 1 L3

=> d l4 1 ibib abs kwic hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:368399 CAPLUS

DOCUMENT NUMBER: 133:4848

TITLE: Preparation of estrogenic estra-1,3,5(10)-trienes with differential effects on the  $\alpha$  and  $\beta$  estrogen receptors, having a linear hydrocarbon chain of from 5-9 carbon atoms in position 11

INVENTOR(S): Loozen, Hubert Jan Jozef; Schoonen, Wilhelmus Gerardus Eduardus Joseph

PATENT ASSIGNEE(S): Akzo Nobel N.V., Neth.

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

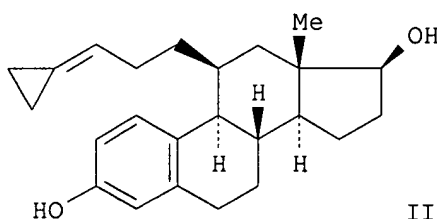
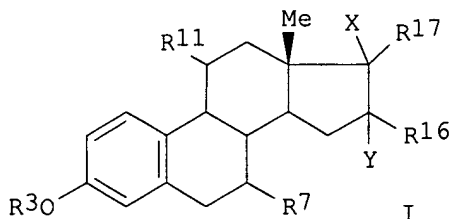
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031112	A1	20000602	WO 1999-EP9053	19991118
W:				
AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1131336	A1	20010912	EP 1999-963327	19991118
EP 1131336	B1	20020828		
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 222922	E	20020915	AT 1999-963327	19991118
PRIORITY APPLN. INFO.:			EP 1998-203914	A 19981120
			WO 1999-EP9053	W 19991118

OTHER SOURCE(S): MARPAT 133:4848

GI



AB Novel  $11\beta$ -substituted estradiols of formula I [R3 = H, acyl, aroyl; R7, R16, R17 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl; R11 = linear

or branched hydrocarbon chain; X, Y = H, OH] are prepared. The resulting compounds have a desirable mixed agonist/antagonist profile for estrogen receptor  $\alpha$  and estrogen receptor  $\beta$ . Thus, II was prepared and was an agonist for ER $\alpha$  and an antagonist for ER $\beta$ .

IT 50681-33-9P 55592-30-8P 191486-99-4P 271259-95-1P 271259-96-2P  
**271260-03-8P** 271260-06-1P 271260-07-2P 271260-08-3P  
271260-09-4P 271260-10-7P 271260-11-8P 271260-12-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

IT **271260-03-8P**

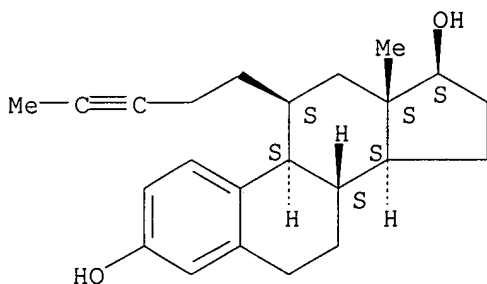
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

RN 271260-03-8 CAPLUS

CN Estra-1,3,5(10)-triene-3,17-diol, 11-(3-pentynyl)-, (11 $\beta$ ,17 $\beta$ )-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



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Uploading C:\Program Files\Stnexp\Queries\09831954str6.str

L1           STRUCTURE UPLOADED

=>

=> s l1 sam  
SAMPLE SEARCH INITIATED 14:11:53 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED -           8 TO ITERATE

100.0% PROCESSED           8 ITERATIONS                   0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*  
                          BATCH    \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:           8 TO       329  
PROJECTED ANSWERS:               0 TO        0

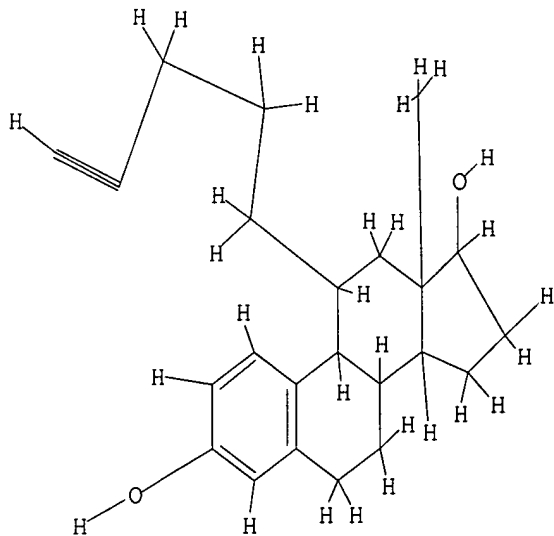
L2            0 SEA SSS SAM L1

=> s l1 full  
FULL SEARCH INITIATED 14:11:57 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -       150 TO ITERATE

100.0% PROCESSED       150 ITERATIONS                   1 ANSWERS  
SEARCH TIME: 00.00.01

L3            1 SEA SSS FUL L1

=> d l1  
L1 HAS NO ANSWERS  
L1            STR



Structure attributes must be viewed using STN Express query preparation.

=> file caplus medline embase; s l3

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'CAPLUS' ENTERED AT 14:12:13 ON 28 AUG 2006

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FILE 'MEDLINE' ENTERED AT 14:12:13 ON 28 AUG 2006

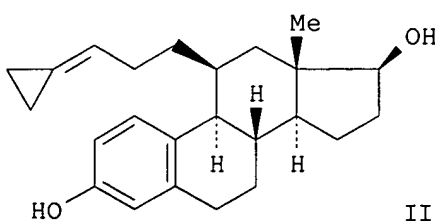
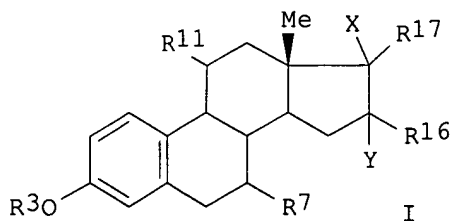
FILE 'EMBASE' ENTERED AT 14:12:13 ON 28 AUG 2006  
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L4 1 L3

=> d l4 1 ibib abs kwic hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:368399 CAPLUS  
DOCUMENT NUMBER: 133:4848  
TITLE: Preparation of estrogenic estra-1,3,5(10)-trienes with differential effects on the  $\alpha$  and  $\beta$  estrogen receptors, having a linear hydrocarbon chain of from 5-9 carbon atoms in position 11  
INVENTOR(S): Loozen, Hubert Jan Jozef; Schoonen, Wilhelmus Gerardus Eduardus Joseph  
PATENT ASSIGNEE(S): Akzo Nobel N.V., Neth.  
SOURCE: PCT Int. Appl., 24 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031112	A1	20000602	WO 1999-EP9053	19991118
W:				
AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1131336	A1	20010912	EP 1999-963327	19991118
EP 1131336	B1	20020828		
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 222922	E	20020915	AT 1999-963327	19991118
PRIORITY APPLN. INFO.:			EP 1998-203914	A 19981120
			WO 1999-EP9053	W 19991118
OTHER SOURCE(S):	MARPAT 133:4848			
GI				



AB Novel 11 $\beta$ -substituted estradiols of formula I [R3 = H, acyl, aroyl; R7, R16, R17 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl; R11 = linear or branched hydrocarbon chain; X, Y = H, OH] are prepared. The resulting compds. have a desirable mixed agonist/antagonist profile for estrogen receptor  $\alpha$  and estrogen receptor  $\beta$ . Thus, II was prepared and was an agonist for ER $\alpha$  and an antagonist for ER $\beta$ .

IT 50681-33-9P 55592-30-8P 191486-99-4P 271259-95-1P 271259-96-2P  
271260-03-8P 271260-06-1P 271260-07-2P 271260-08-3P  
**271260-09-4P** 271260-10-7P 271260-11-8P 271260-12-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

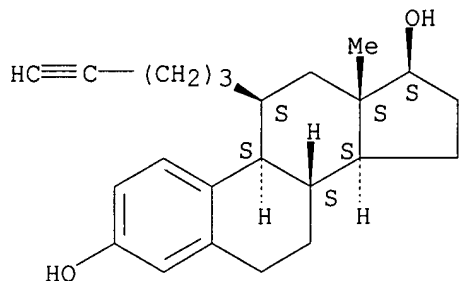
IT **271260-09-4P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

RN 271260-09-4 CAPLUS

CN Estra-1,3,5(10)-triene-3,17-diol, 11-(4-pentynyl)-, (11 $\beta$ ,17 $\beta$ )-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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Uploading C:\Program Files\Stnexp\Queries\09831954str8.str

L1 STRUCTURE UPLOADED

=> s l1 sam

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SAMPLE SCREEN SEARCH COMPLETED - 157 TO ITERATE

100.0% PROCESSED 157 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2389 TO 3891  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

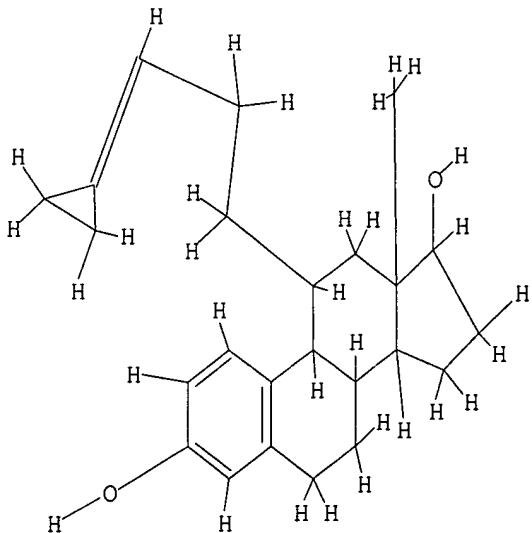
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FULL SCREEN SEARCH COMPLETED - 3293 TO ITERATE

100.0% PROCESSED 3293 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

=> d l1

L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> file caplus medline embase; s l3

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
166.94	167.15

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:16:19 ON 28 AUG 2006  
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FILE 'MEDLINE' ENTERED AT 14:16:19 ON 28 AUG 2006

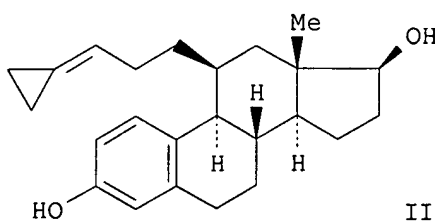
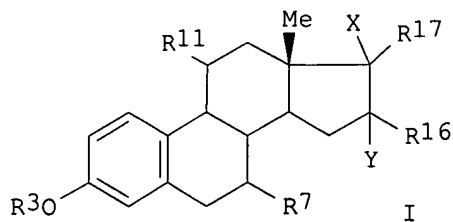
FILE 'EMBASE' ENTERED AT 14:16:19 ON 28 AUG 2006  
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L4 1 L3

=> d l4 1 ibib abs kwic

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:368399 CAPLUS  
DOCUMENT NUMBER: 133:4848  
TITLE: Preparation of estrogenic estra-1,3,5(10)-trienes with differential effects on the  $\alpha$  and  $\beta$  estrogen receptors, having a linear hydrocarbon chain of from 5-9 carbon atoms in position 11  
INVENTOR(S): Loozen, Hubert Jan Jozef; Schoonen, Wilhelmus Gerardus Eduardus Joseph  
PATENT ASSIGNEE(S): Akzo Nobel N.V., Neth.  
SOURCE: PCT Int. Appl., 24 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031112	A1	20000602	WO 1999-EP9053	19991118
W:			AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	
RW:			GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG	
EP 1131336	A1	20010912	EP 1999-963327	19991118
EP 1131336	B1	20020828		
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO	
AT 222922	E	20020915	AT 1999-963327	19991118
PRIORITY APPLN. INFO.:			EP 1998-203914	A 19981120
			WO 1999-EP9053	W 19991118
OTHER SOURCE(S):	MARPAT	133:4848		
GI				



AB Novel 11 $\beta$ -substituted estradiols of formula I [R3 = H, acyl, aroyl];

R7, R16, R17 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl; R11 = linear or branched hydrocarbon chain; X, Y = H, OH] are prepared The resulting compds. have a desirable mixed agonist/antagonist profile for estrogen receptor  $\alpha$  and estrogen receptor  $\beta$ . Thus, II was prepared and was an agonist for ER $\alpha$  and an antagonist for ER $\beta$ .

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50681-33-9P 55592-30-8P 191486-99-4P 271259-95-1P 271259-96-2P  
271260-03-8P **271260-06-1P** 271260-07-2P 271260-08-3P  
271260-09-4P 271260-10-7P 271260-11-8P 271260-12-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

L1 STRUCTURE UPLOADED

=> s l1 sam

SAMPLE SEARCH INITIATED 14:19:10 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 426 TO ITERATE

100.0% PROCESSED 426 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 7282 TO 9758  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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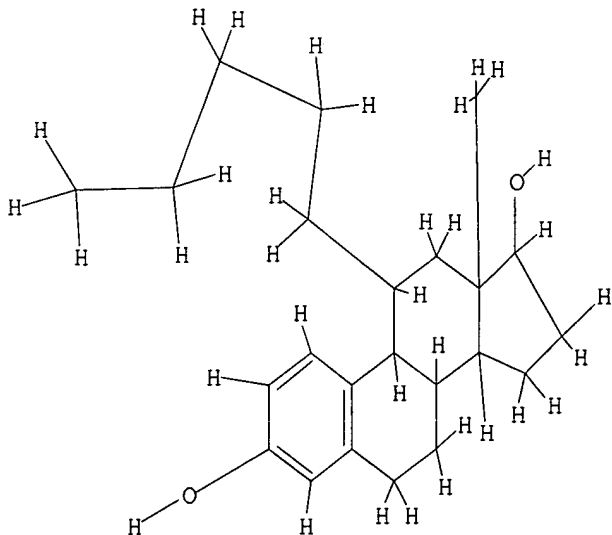
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L3 1 SEA SSS FUL L1

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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> file caplus medline embase; s l3

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

FILE 'CAPLUS' ENTERED AT 14:19:28 ON 28 AUG 2006

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L4 1 L3

=> d l4 1 ibib abs kwic hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:368399 CAPLUS

DOCUMENT NUMBER: 133:4848

TITLE: Preparation of estrogenic estra-1,3,5(10)-trienes with differential effects on the  $\alpha$  and  $\beta$  estrogen receptors, having a linear hydrocarbon chain of from 5-9 carbon atoms in position 11

INVENTOR(S): Loozen, Hubert Jan Jozef; Schoonen, Wilhelmus Gerardus Eduardus Joseph

PATENT ASSIGNEE(S): Akzo Nobel N.V., Neth.

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

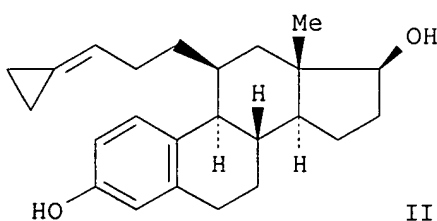
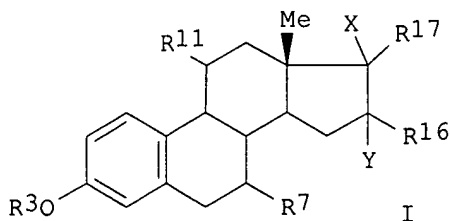
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000031112	A1	20000602	WO 1999-EP9053	19991118
W:				
AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:				
GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1131336	A1	20010912	EP 1999-963327	19991118
EP 1131336	B1	20020828		
R:				
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 222922	E	20020915	AT 1999-963327	19991118
PRIORITY APPLN. INFO.:			EP 1998-203914	A 19981120
			WO 1999-EP9053	W 19991118

OTHER SOURCE(S): MARPAT 133:4848  
GI



AB Novel  $11\beta$ -substituted estradiols of formula I [R3 = H, acyl, aroyl; R7, R16, R17 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl; R11 = linear or branched hydrocarbon chain; X, Y = H, OH] are prepared The resulting



compds. have a desirable mixed agonist/antagonist profile for estrogen receptor  $\alpha$  and estrogen receptor  $\beta$ . Thus, II was prepared and was an agonist for ER $\alpha$  and an antagonist for ER $\beta$ .

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271260-10-7P 271260-11-8P **271260-12-9P**

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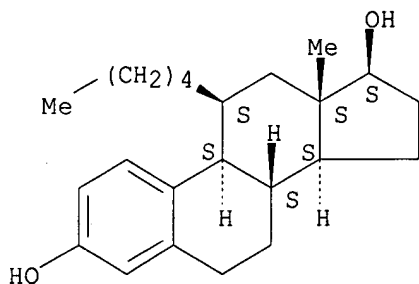
IT **271260-12-9P**

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(preparation of estrogenic 11-substituted estratrienes with differential effects on estrogen receptors)

RN 271260-12-9 CAPLUS

CN Estra-1,3,5(10)-triene-3,17-diol, 11-pentyl-, (11 $\beta$ ,17 $\beta$ )- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORM